

WHAT IS CLAIMED IS:

1. A display controlling apparatus for controlling a display apparatus which displays TV program information, comprising:

5 receiving means for receiving program information on a plurality of programs;

display control means for controlling so as to display first program information on said plurality of programs on the basis of the program information received by said receiving means on display means; and

10 selection means for selecting first program information relating to an arbitrary program in the first program information displayed on said display means,

15 wherein said display control means controls so as to display second program information on a program relating to said first program information selected by said selection means, and controls so as to display the second program information on a plurality of said  
20 selected programs.

2. An apparatus according to claim 1, wherein said second program information is information more detailed than said first program information.

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3. An apparatus according to claim 1, wherein said second program information includes at least

one piece of information of a title of a program,  
information concerning contents of the program,  
information concerning a genre to which the program  
belongs, charge information to the program, and  
5 information concerning a broadcasting time of the  
program.

4. An apparatus according to claim 1, wherein  
said first program information is displayed in the  
10 form of a program table indicating program titles with  
channel number information being a vertical axis  
(horizontal axis) and broadcasting time information on  
program being a horizontal axis (vertical axis).

15 5. An apparatus according to claim 1, wherein  
said display control means controls so as to  
display said first program information and second  
program information on a program relating to said first  
program information selected by said selection means on  
20 the same screen.

6. An apparatus according to claim 1, wherein  
said selection means can select arbitrary first  
program information in a state that said second program  
25 information, and

said display control means controls so as to  
display second program information relating to said

further selected first program information on the same screen as said displayed second program information.

7. An apparatus according to claim 6, wherein  
5 when selecting further arbitrary first program information by said selection means,

said display control means controls so as to selectively display first program information on said plurality of programs so as not to eliminate a display  
10 of the first program information selected by said selection means.

8. An apparatus according to claim 1, wherein  
said display control means controls so as to  
15 fixedly display said second program information to an arbitrary area in said screen and so as to selectively display said first program information in said screen.

9. An apparatus according to claim 8, wherein  
20 after fixedly displaying said second program information in said arbitrary area, said display control means displays second program information relating to a program of the first program information selected by said selection means selectively in  
25 accordance with the selection operation and adjacent to said selected first program information.

10. An apparatus according to claim 8, wherein  
said receiving means receives program information  
relating to programs transmitted by different  
transmission paths, and

5        said display control means controls so as to  
display a plurality of pieces of said second program  
information relating to programs transmitted by said  
different transmission paths, respectively.

10        11. An apparatus according to claim 10, wherein  
said display control means controls so as to  
fixedly display said second program information in an  
arbitrary area in said screen and so as to selectively  
display first program information on a program  
15        transmitted by a transmission path different from the  
program of the displayed second program information in  
said screen.

20        12. An apparatus according to claim 10, wherein  
said transmission paths include at least one of  
digital television broadcasting by a communication  
satellite (CS), digital broadcasting by a broadcasting  
satellite (BS), digital television broadcasting by  
ground waves, and digital television broadcasting by  
25        cable transmission.

13. A display controlling method for controlling

a display apparatus which displays TV program information, comprising:

the receiving step of receiving program information on a plurality of programs;

5 the display control step of controlling so as to display first program information on said plurality of programs on the basis of said received program information on display means; and

10 the selecting step of selecting first program information relating to an arbitrary program in the first program information displayed on said display means,

wherein said display control step controls so as to display second program information on a program  
15 relating to said selected first program information, and controls so as to display the second program information on a plurality of said selected programs.

14. A method according to claim 13, wherein  
20 said second program information is information more detailed than said first program information.

15. A method according to claim 13, wherein  
said second program information includes at least  
25 one piece of information of a title of a program, information concerning contents of the program, information concerning a genre to which the program

belongs, charge information to the program, and information concerning a broadcasting time of the program.

5           16. A method according to claim 13, wherein  
said first program information is displayed in the  
form of a program table indicating program titles with  
channel number information being a vertical axis  
(horizontal axis) and broadcasting time information on  
10 program being a horizontal axis (vertical axis).

17. A method according to claim 13, wherein  
said display control step controls so as to  
display said first program information and second  
15 program information on a program relating to said first  
program information selected by said selecting step on  
the same screen.

18. A method according to claim 13, wherein  
20 said selecting step can select arbitrary first  
program information in a state that said second program  
information, and

said display control step controls so as to  
display second program information relating to said  
25 further selected first program information on the same  
screen as said displayed second program information.

19. A method according to claim 18, wherein  
when selecting further arbitrary first program  
information by said selecting step,

5       said display control step controls so as to  
selectively display first program information on said  
plurality of programs so as not to eliminate a display  
of the first program information selected by said  
selecting step.

10       20. A method according to claim 13, wherein  
      said display control step controls so as to  
fixedly display said second program information to an  
arbitrary area in said screen and so as to selectively  
display said first program information in said screen.

15       21. A method according to claim 20, wherein  
      after fixedly displaying said second program  
information in said arbitrary area, said display  
control step displays second program information  
20 relating to a program of the first program information  
selected by said selecting step selectively in  
accordance with the selection operation and adjacent to  
said selected first program information.

25       22. A method according to claim 13, wherein  
      said receiving step receives program information  
concerning programs transmitted by different

transmission paths, and

said display control step controls so as to  
display a plurality of pieces of said second program  
information relating to programs transmitted by said  
5 different transmission paths, respectively.

23. A method according to claim 22, wherein  
said display control step controls so as to  
fixedly display said second program information in an  
10 arbitrary area in said screen and so as to selectively  
display first program information on a program  
transmitted by a transmission path different from the  
program of the displayed second program information in  
said screen.

15 24. A method according to claim 22, wherein  
said transmission paths include at least one of  
digital television broadcasting by a communication  
satellite (CS), digital broadcasting by a broadcasting  
20 satellite (BS), digital television broadcasting by  
ground waves, and digital television broadcasting by  
cable transmission.

25 25. A storage medium storing program data for  
executing the following display controlling method:  
the receiving step of receiving program  
information on a plurality of programs;



the display control step of controlling so as to display first program information on said plurality of programs on the basis of said received program information on display means; and

5       the selecting step of selecting first program information relating to an arbitrary program in the first program information displayed on said display means,

10       wherein said display control step controls so as to display second program information on a program relating to said selected first program information, and controls so as to display the second program information on a plurality of said selected programs.

15       26. A display controlling apparatus, comprising:  
receiving means for receiving television signals including EPG (Electronic Program Guide) data indicating program information on a plurality of programs;

20       output means for outputting program table data for list-displaying program information relating to said plurality of programs on the basis of the EPG data received by said receiving means, to display means;

25       selection means for selecting program information relating to an arbitrary program from a list display of the program information displayed on said display means; and

display control means for controlling said display means so as to display detailed program information relating to the program of the program information on the same screen as the list display of said program information in accordance with a selection operation by  
5 said selection means,

wherein in a state that detailed program information relating to the first program selected by said selection means is displayed by said display  
10 means, said selection means can further select program information relating to an arbitrary program in the program information relating to said plurality of programs, and said display control means controls so as to display detailed program information relating to  
15 said selected second program on the same screen as the detailed program information relating to said first program.

27. An apparatus according to claim 26, wherein  
20 said detailed program information includes at least one piece of information of a title of a program, information concerning contents of the program, information concerning a genre to which the program belongs, charge information to the program, and  
25 information concerning a broadcasting time of the program.

28. An apparatus according to claim 26, wherein  
said program information is displayed in the form  
of a program table indicating program titles with  
channel number information being a vertical axis  
5 (horizontal axis) and broadcasting time information on  
program being a horizontal axis (vertical axis).

29. An apparatus according to claim 26, wherein  
said display control means controls said display  
10 means so as to fixedly display said detailed program  
information to an arbitrary area in said screen and so  
as to selectively display said program information in  
said screen.

15 30. An apparatus according to claim 29, wherein  
after fixedly displaying said detailed program  
information in said arbitrary area, said display  
control means controls so as to selectively display  
detailed program information relating to a program of  
20 the program information selected by said selection  
means in accordance with the selection operation.

31. An apparatus according to claim 26, wherein  
said receiving means receives EPG data relating to  
25 programs transmitted by different transmission paths,  
and  
said display control means controls so as to

display a plurality of pieces of said detailed program information relating to programs transmitted by said different transmission paths, respectively.

5           32. An apparatus according to claim 31, wherein  
said display control means controls so as to  
fixedly display said detailed program information in an  
arbitrary area in said screen and so as to selectively  
display program information on a program transmitted by  
10 a transmission path different from the program of the  
displayed detailed program information in said screen.

          33. An apparatus according to claim 31, wherein  
said transmission paths include at least one of  
15 digital television broadcasting by a communication  
satellite (CS), digital broadcasting by a broadcasting  
satellite (BS), digital television broadcasting by  
ground waves, and digital television broadcasting by  
cable transmission.

20           34. A display controlling method for controlling  
a display apparatus which displays TV program  
information, comprising steps of:

          receiving television signals including EPG  
25 (Electronic Program Guide) data indicating program  
information on a plurality of programs;  
          outputting program table data for list-displaying

program information relating to said plurality of programs on the basis of said received EPG data, to display means;

5       selecting program information relating to an arbitrary program from a list display of the program information displayed on said display means; and

10       controlling said display means so as to display detailed program information relating to the program of the program information on the same screen as the list display of said program information in accordance with said selection operation; and

15       in a state that detailed program information relating to said selected first program is displayed by said display means, capable of selecting program information relating to an arbitrary program in the program information relating to said plurality of programs, controlling said display means so as to display detailed program information relating to said selected second program on the same screen as the  
20       detailed program information relating to said first program.

35. A storage medium storing program data for executing the following display controlling method:

25       receiving television signals including EPG (Electronic Program Guide) data indicating program information on a plurality of programs;

outputting program table data for list-displaying program information relating to said plurality of programs on the basis of said received EPG data, to display means;

- 5        selecting program information relating to an arbitrary program from a list display of the program information displayed on said display means; and

- controlling said display means so as to display detailed program information relating to the program of  
10    the program information on the same screen as the list display of said program information in accordance with said selection operation; and

- in a state that detailed program information relating to said selected first program is displayed by  
15    said display means, capable of selecting program information relating to an arbitrary program in the program information relating to said plurality of programs, controlling said display means so as to display detailed program information relating to said  
20    selected second program on the same screen as the detailed program information relating to said first program.